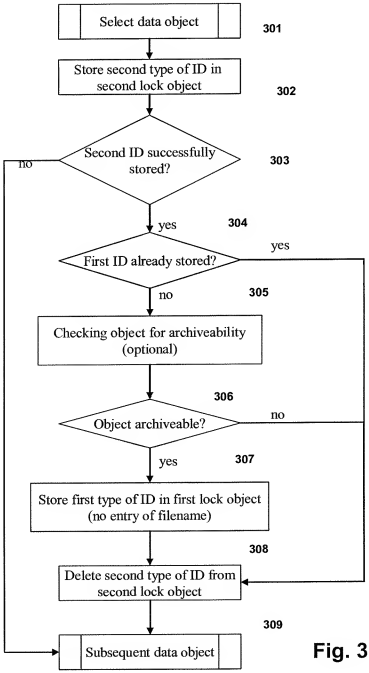
Select data object
301
Store second type of ID in second lock object
302
Second ID successfully stored?
303
no
yes
304
First ID already stored?
yes
no
305
Checking object for archiveability (optional)
306
Object archiveable?
no
yes
307
Store first type of ID in first lock object (no entry of filename)
308
Delete second type of ID from second lock object
309
Subsequent data object

Fig. 3

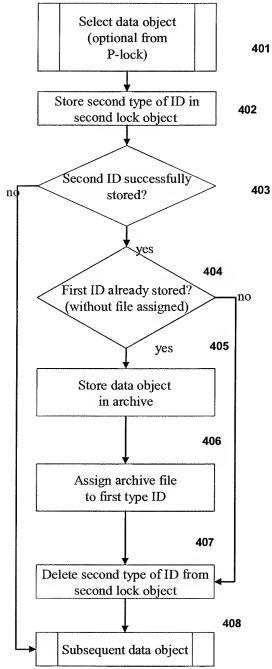
Select data object (optional from P-lock)
401
Store second type of ID in second lock object
402
Second ID successfully stored?
403
no
yes
First ID already stored? (without file assigned)
404
no
yes
405
Store data object in archive
406
Assign archive file to first type ID
407
Delete second type of ID from second lock object
408
Subsequent data object

Fig. 4

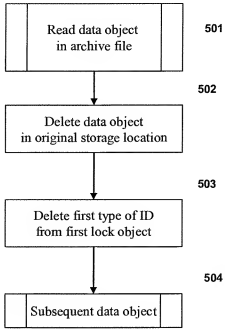
Read data object in archive file
501
502
Delete data object in original storage location
503
Delete first type of ID from first lock object
504
Subsequent data object

Fig. 5

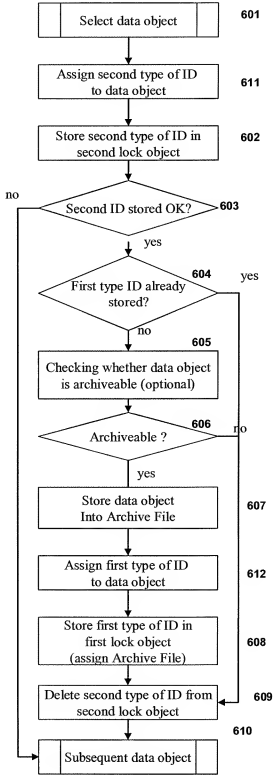
Select data object
601
Assign second type of ID to data object
611
Store second type of ID in second lock object
602
Second ID stored OK?
603
no
yes
First type ID already stored?
604
yes
no
Checking whether data object is archiveable (optional)
605
Archiveable ?
606
no
yes
Store data object Into Archive File
607
Assign first type of ID to data object
612
Store first type of ID in first lock object (assign Archive File)
608
Delete second type of ID from second lock object
609
610
Subsequent data object

Fig. 6

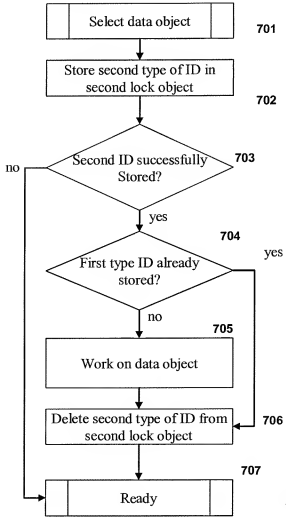
Select data object
701
Store second type of ID in second lock object
702
Second ID successfully Stored?
703
no
yes
704
First type ID already stored?
yes
no
705
Work on data object
Delete second type of ID from second lock object
706
707
Ready

Fig. 7

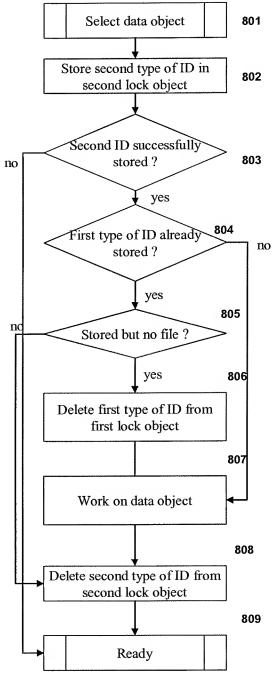
Select data object
801
Store second type of ID in second lock object
802
Second ID successfully stored ?
803
no
yes
First type of ID already stored ?
804
no
yes
Stored but no file ?
805
no
yes
806
Delete first type of ID from first lock object
807
Work on data object
808
Delete second type of ID from second lock object
809
Ready

Fig. 8

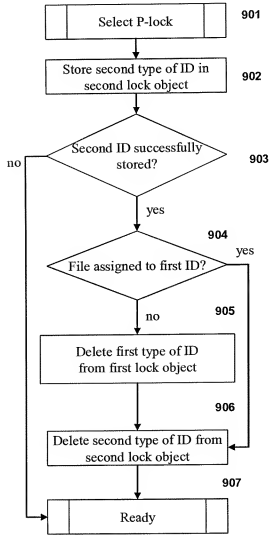
Select P-lock
901
Store second type of ID in second lock object
902
Second ID successfully stored?
903
no
yes
904
yes
File assigned to first ID?
no
905
Delete first type of ID from first lock object
906
Delete second type of ID from second lock object
907
Ready

Fig. 9

Annotated

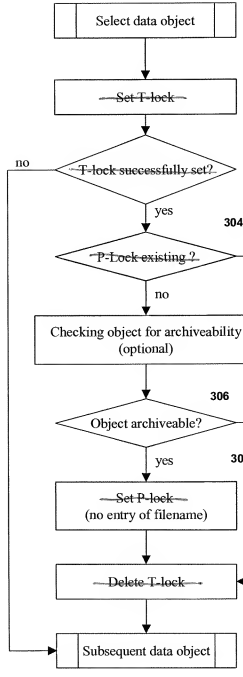

Fig. 3

Annotated

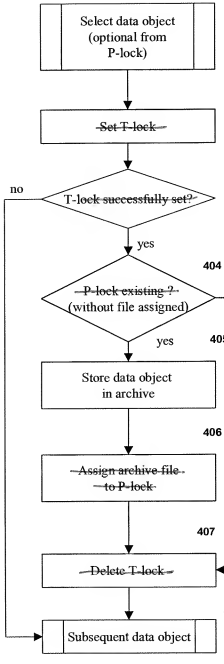

Fig. 4

Annotated

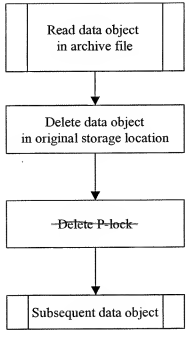

Fig. 5

Annotated

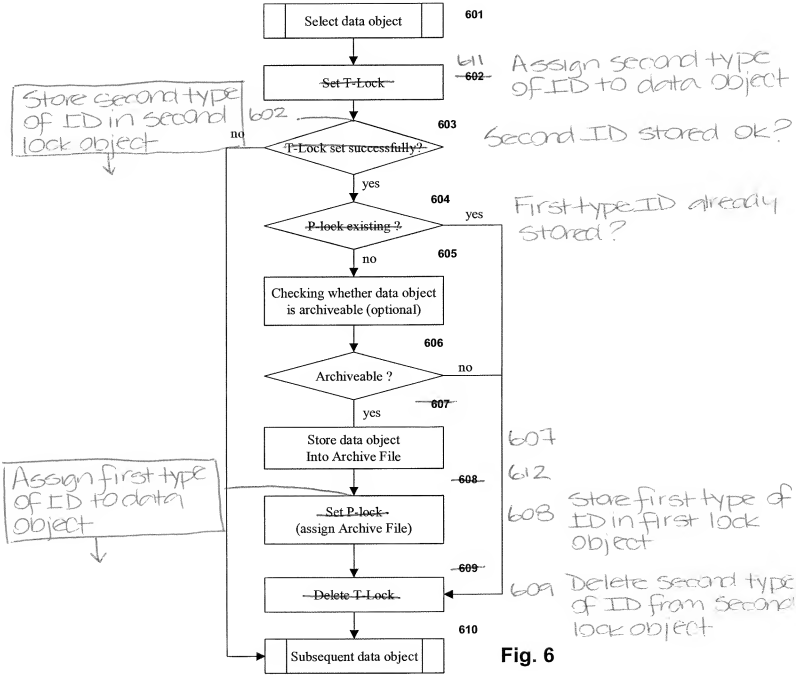

Fig. 6

Annotated

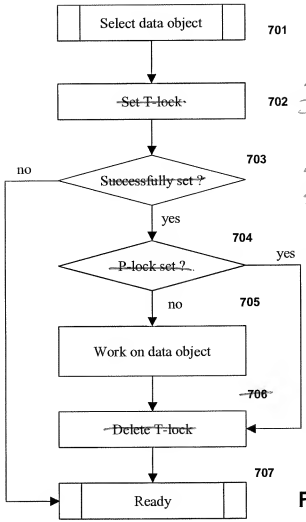

Fig. 7

Annotated

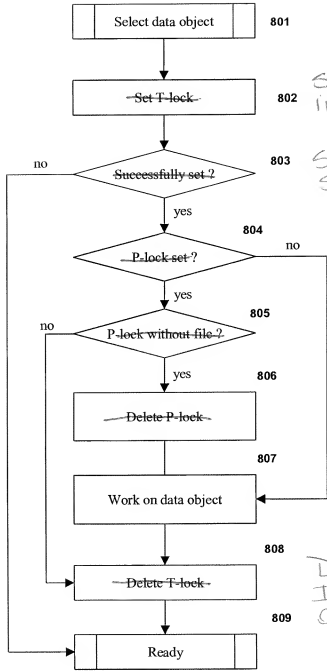

Fig. 8

Annotated

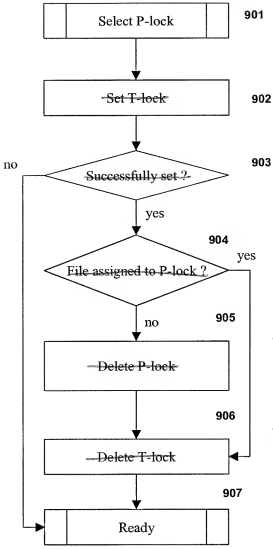

Fig. 9